

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A hand-held and hand-operated random movement-printing device controlled by at least one processor-(4), and having a print head (2) assembly comprised in a housing-(1), further comprising:
 - at least one position sensor means-(3), sensing the position of the printing device on a print medium in relation to pixels to be printed;
 - a memory, storing at least one image with its mutual image pixel coordinate data;
 - a print-head array (60)-provided with nozzles-(12), for printing image pixels onto the print medium in accordance with the pixel coordinate data during a printing sequence;wherein
 - the image being built-up through sectional printing whereby each section has at least one print area interfacing at least one other print area, said interfacing print areas being correlated to fill-out transition print areas during printing of said sections through at least one transition printing pattern by omitting printing of some pixels in said transition print area.

2. (original) A printing device according to claim 1, wherein said omitted pixels in said transition area according to said printing pattern are randomly distributed.

3. (original) A printing device according to claim 1, wherein said omitted pixels in said transition area according to said printing pattern are distributed according to a mathematical algorithm.

4. (original) A printing device according to claim 1, wherein said omitted pixels in said transition area are distributed according to a pre-stored printing pattern.

5. (currently amended) A printing device according to ~~one of claims 1-4~~claim 1, wherein the probability of a pixel being printed within the transition area of an image section is decreasing towards that peripheral side of the transition area facing a side of an image section for subsequent printing.

6. (currently amended) A printing device according to ~~one of claims 1-5~~claim 1, wherein a pixel is printed within the transition area when both the image-pixel and the corresponding pixel of the transition pattern have a value TRUE for printing.

7. (currently amended) A printing device according to ~~one of claims 1-6~~claim 1, wherein a pixel is omitted within the transition area when one of an image-pixel and the corresponding pixel of the transition pattern have a value FALSE for printing.

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8. (currently amended) A printing device according to ~~one of claims 1-7~~claim 1, wherein a variable range of the outermost positioned nozzles in the array are arranged to provide the transition pattern.

9. (currently amended) A printing device according to ~~one of claims 1-8~~claim 1, wherein the 5-20 outermost positioned nozzles at each end of the array are arranged to provide the transition pattern.

10. (currently amended) A printing device according to ~~one of claims 1-9~~claim 1, wherein the transition pattern provides a gradually decreasing probability of pixel printing the further out the nozzles are located at each end of the array.

11. (currently amended) A printing device according to ~~one of claims 1-10~~claim 1, wherein an earlier omitted pixel is printed during a re-printing sequence of the same image and an earlier printed pixel is omitted from re-printing.

12. (currently amended) A printing device according to ~~one of claims 1-11~~claim 1, wherein the print head is of the ink-jet type having nozzle channels, arranged for spraying ink droplets from an associated ink container onto the print medium in accordance with the pixel coordinate data.

13. (currently amended) A method for a hand-held and hand-operated random movement-printing device controlled by at least one processor-(4), and having a print head (2)-assembly comprised in a housing-(1), comprising the steps of:

sensing the printing device position on a print medium in relation to pixels to be printed;

storing at least one image with its mutual image pixel coordinate data in a memory;

printing image pixels through nozzles (12)-in a print-head array (60)-onto the print medium in accordance with the pixel coordinate data during a printing sequence; wherein

the image being built-up through sectional printing whereby each section has at least one print area interfacing at least one other print area, said interfacing print areas being correlated to fill-out transition print areas during printing of said sections through at least one transition printing pattern by omitting printing of some pixels in said transition print area.

14. (original) A method according to claim 13, wherein said omitted pixels in said transition area according to said printing pattern are randomly distributed.

15. (original) A method according to claim 14, wherein said omitted pixels in said transition area according to said printing pattern are distributed according to a mathematical algorithm.

16. (original) A method according to claim 15, wherein said omitted pixels in said transition area are distributed according to a pre-stored printing pattern.

17. (currently amended) A method according to ~~one of claims 13-16~~claim 13, wherein the probability of a pixel being printed within the transition area of an image section is decreasing towards that peripheral side of the transition area facing a side of an image section for subsequent printing.

18. (currently amended) A method according to ~~one of claims 13-17~~claim 13, wherein a pixel is printed within the transition area when both the image-pixel and the corresponding pixel of the transition pattern have a value TRUE for printing.

19. (currently amended) A method according to ~~one of claims 13-18~~claim 13, wherein a pixel is omitted within the transition area when one of an image-pixel and the corresponding pixel of the transition pattern have a value FALSE for printing.

20. (currently amended) A method according to ~~one of claims 13-19~~claim 13, wherein a variable range of the outermost positioned nozzles in the array provide the transition pattern.

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21. (currently amended) A method according to ~~one of claims 13-20~~claim 13, wherein the 5-20 outermost positioned nozzles at each end of the array provide the transition pattern.

22. (currently amended) A method according to ~~one of claims 13-21~~claim 13, wherein the transition pattern provides a gradually decreasing probability of pixel printing the further out the nozzles are located at each end of the array.

23. (currently amended) A method according to ~~one of claims 13-22~~claim 13, wherein an earlier omitted pixel is printed during a re-printing sequence of the same image and an earlier printed pixel is omitted from re-printing.

24. (currently amended) A method according to ~~one of claims 13-23~~claim 13, wherein the print head is of the ink-jet type having nozzle channels, for spraying ink droplets from an associated ink container onto the print medium in accordance with the pixel coordinate data.